

TA-XFHF

NEX10 Female to 4.3-10 Female Low-PIM Adapter

Product Classification

Product Type	Adapter
Product Brand	HELIAX®

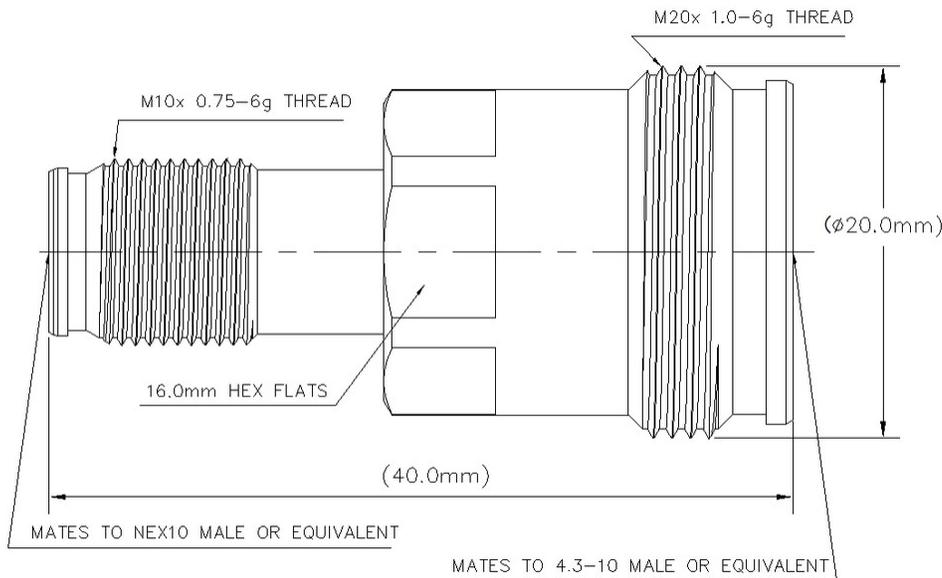
General Specifications

Body Style	Straight
Inner Contact Plating	Silver
Interface	NEX10 Female
Interface 2	4.3-10 Female
Outer Contact Plating	Trimetal

Dimensions

Length	40 mm 1.575 in
Diameter	20 mm 0.787 in

Outline Drawing



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Electrical Specifications

3rd Order IMD at Frequency	-119 dBm @ 1900 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Connector Impedance	50 ohm
dc Test Voltage	1500 V
Inner Contact Resistance, maximum	2 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	1 mOhm

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.065	30
3000–6000 MHz	1.135	24

Mechanical Specifications

Coupling Nut Proof Torque Method	IEC 61169-4:9.3.6
Coupling Nut Retention Force	1000 N 224.809 lbf
Coupling Nut Retention Force Method	IEC 61169-4:9.3.11
Interface Durability	100 cycles
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F
Climatic Sequence Test Method	IEC 60068-1
Corrosion Test Method	IEC 60068-2-11
Damp Heat Steady State Test Method	IEC 60068-2-3
Immersion Depth	1 m
Immersion Test Mating	Mated

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Immersion Test Method	IEC 60529:2001, IP68
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net 32.38 g | 0.071 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



* Footnotes

Immersion Depth Immersion at specified depth for 24 hours